

DOWSIL™ 123 Silicone Seal

Weathersealing versatility: Fast and effective weathersealing options



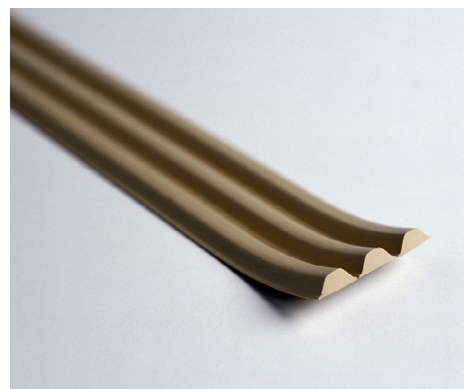
The Paragon Building Tampa, Florida

Problem: Decorative aluminum panels over a leaking curtainwall interior

Product¹: DOWSIL™ 123 Silicone Seal

Result: Repairs were made without removing a single panel. The building looks great, the leaks are history, and the DOWSIL™ 123 Silicone Seal expands and contracts with the aluminum panels under the hot Florida sun.

¹Prior to February 2018, this product was branded as Dow Corning.



Effective, attractive, versatile DOWSIL™ 123 Silicone Seal

DOWSIL™ 123 Silicone Seal was designed as a fast, efficient way to repair failed building weatherseals without having to remove the old caulk. This long-lasting, attractive and extremely versatile alternative to wet sealants has found many innovative uses in new construction as well.

The DOWSIL™ 123 Silicone Seal sealing system consists of a preformed silicone extrusion or custom shape that can be bonded to a wide variety of construction substrates using DOWSIL™ 795 Silicone Building Sealant or other recommended DOWSIL™ Sealants, such as DOWSIL™ 791 Silicone Weather proofing Sealant.

DOWSIL™ 123 Silicone Seal and DOWSIL™ Sealants work together to produce a strong, flexible (ultra-low-modulus) weatherseal with extremely high movement capability (up to +200/-75 percent).

The system also can be used in conjunction with DOWSIL™ ALLGUARD Silicone Elastomeric Coating to offer it more complete weatherproofing protection.

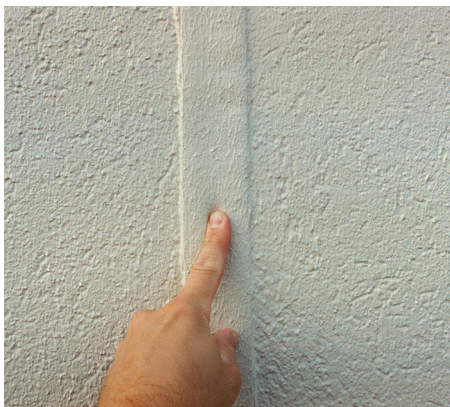
Well-suited for both remedial and new construction applications

DOWSIL™ 123 Silicone Seal helps you address some of the toughest weathersealing challenges:

- Repair failed building weatherseals
- Restore exterior insulation finish systems (EIFS)
- Seal thin metal curtainwalls
- Seal aluminum window leaks
- Seal joints subject to extreme movement
- Seal parapets, wall intersections, coping joints and transitions, skylights, and window perimeter joints



Failed urethane sealant in EIFS joint



EIFS joint restored using
DOWSIL™ 123 Silicone Seal

Effective and attractive EIFS restoration

When sealants fail on EIFS-clad buildings, leaks and interior damage typically result. DOWSIL™ 123 Silicone Seal was designed as an alternative to traditional removal and recaulking methods.

On this EIFS wall, DOWSIL™ 123 Silicone Seal was applied over the vertical expansion joints and adhered with DOWSIL™ 795 Silicone Building Sealant. The preformed silicone seal spanned the failed joints, eliminating tedious (and potentially damaging) sealant removal. The entire building was then protected and its appearance revitalized with DOWSIL™ ALLGUARD Silicone Elastomeric Coating technology.

Easy as 1-2-3 to apply

Ensure that the substrate around the joint is clean and dry; masking is recommended. Apply a bead of DOWSIL™ Sealant on each side, then roller the DOWSIL™ 123 Silicone Seal, tool the edges and remove the masking. That's all there is to it, whether you're installing a new seal or repairing a failed one.

In EIFS applications, there's no need to cut out the old seals – a costly, labor-intensive step that can damage soft EIFS cladding. When DOWSIL™ 123 Silicone Seal is properly bonded over any failed joint, you not only stop leaks, but you also save time by eliminating the sealant removal step.



Custom designs ... the possibilities are endless

DOWSIL™ 123 Silicone Seal extrusions can be custom-designed in special widths with special grooves or notches so you can bend them around or into almost any angle for smooth corners and transitions.

DOWSIL™ 123 Silicone Seal Custom Designs H.C.

For more complex applications, Dow offers DOWSIL™ 123 Silicone Seal Custom Designs H.C. Made of high-consistency silicone rubber, DOWSIL™ Silicone Seal Custom Designs H.C. can be custom-molded into many sizes and shapes for additional uses. Choose from 12- to 36-inch translucent or pigmented silicone calendered sheets; complex custom extrusions with single or dual durometers; and custom, three-dimensional molded silicone rubber shapes.

With the wide range of durometers and colors available with DOWSIL™ 123 Silicone Seal Custom Designs H.C. molded shapes, there is virtually no end to what you can do:

- Create aesthetically pleasing weep-hole covers, corner shapes and other custom finish pieces
- Design molded parts for specific sizes and shapes
- Enhance window systems
- Create splice joints for curtainwall applications
- Repair failed weatherseals and zipper gaskets

We can match almost any color. Challenge us with your color requirement.

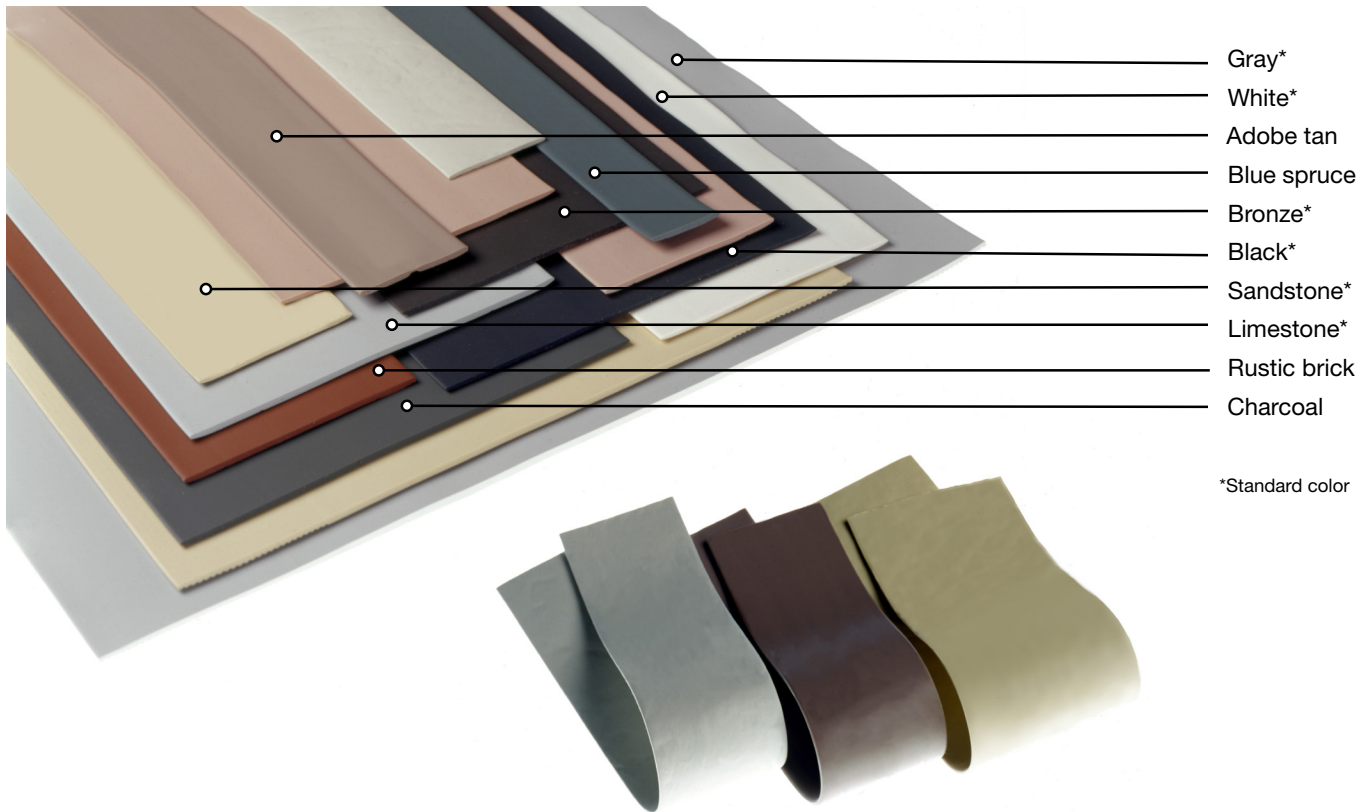
Two different tear-resistant formulations (general purpose and high tear) are available in a range of colors and durometers to address your specific aesthetic and performance needs.



A wide range of colors, textures and widths

To help ensure an attractive, substrate-matching seal, DOWSIL™ 123 Silicone Seal is available in matte finishes in six standard building colors, as well as custom colors.

DOWSIL™ 123 Silicone Seal is supplied in 100-foot rolls in widths ranging from 1 to 6 inches in 1/2-inch increments and from 7 to 14 inches in 1-inch increments.



Trimont Condominiums Pittsburgh, Pennsylvania

Problem: Recurring water leaks around the window frame members and balcony doors

Products¹: DOWSIL™ 123 Silicone Seal and DOWSIL™ 795 Silicone Building Sealant

Result: Repairs were made with minimal disturbance to the residents. And since the installation of DOWSIL™ 123 Silicone Seal, the Trimont has been subjected to heavy rains and record-breaking snow – but, according to the building manager, not a single leak.

¹Prior to February 2018, these products were branded as Dow Corning.

Backed and warranted by Dow

DOWSIL™ 123 Silicone Seal and DOWSIL™ 123 Silicone Seal Custom Designs H.C. are backed by Dow, the global silicone technology leader with more than 60 years of silicone experience. Across the worldwide construction industry, Dow is known for high-performance products, reliable product supply and excellent technical support.



A 10-year Limited Weatherseal Warranty is available from Dow to offer you even greater peace of mind.

Put DOWSIL™ 123 Silicone Seal to the test

With custom colors, widths, designs and performance properties, DOWSIL™ 123 Silicone Seal offers weathersealing versatility. Put it to the test in your next weathersealing project.

For more information

Learn more about the full range of Dow Building Science offerings, including products, service and support, at dow.com/buildingscience.

Dow has sales offices, manufacturing sites, and science and technology laboratories around the globe. Find local contact information at dow.com/contactus.



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